

APPENDIX B
SPACE MODEL DETAILS

NPS Facility Planning Model Report

NOTE: Nothing in this report should be published as an Official Report of the NPS Facility Planning Model without Approval by the Office of Construction Program Management

Identification:

Project Title: TAPR Admin-March 2006
 Model: Administration Facility
 Type of Project: New Construction
 PMIS Number:
 Region: MWR
 Park Name: Tallgrass Prairie NP
 Your Name: Robert H. King
 Job Title: Facility Manager
 Park Suggested GSF:
 Concurred by (Region):
 Recommended by (WASO, CPM):
 Approved by (DAB):
 Created Date: 3/22/2006 3:37:50 PM
 Modified Date: 4/13/2006 2:38:57 PM
 Calculator Mode: Custom Calculator

Comments on this report:

Existing admin office is in GSA leased building in Cottonwood Falls, KS. Staff would include NPS division chiefs, law enforcement, interpretations staff, and The Nature Conservancy manager. Utilities to be extended from VC site. Additional \$ for facility design to fit with the historic scene.

All Modifications Subject To Approval**Drivers:**

Total NPS Staff 18

Benchmark Calculations:

Drivers:	Standard Database Calculations
Office and Support Spaces (NSF)	3,200
Building Support	377
Tare at 30% (nearest 100)	1,500
Building (GSF, nearest 100)	5,100
Recommended:	
Area Per Person in Office Spaces (N/E)	178

NPS Park Specific Calculations:**Administration Facility Model Calculations**

Office and Support Spaces (NSF)	3,225
Building Support	377
Tare at 30% (nearest 100)	1,500
Building (GSF, nearest 100)	5,100
Site (Acres)	0.80
Site Access / Utility Extensions (Cost)	\$50,000
Total Net Construction Cost (Not Calculated)	
Area Per Person in Office Spaces:	
Recommended	178
Actual	179

Estimated Square Footage Report:

Room Description

Persons

Spaces or Units

Park Modified Spaces
with Standard Drivers

Core Administration Functions			
General Administration Staff Offices	13	1	1,300
Superintendent / Supervisor Offices	5	1	600
Conference Room	18	1	350
General Storage	1	1	327
Staff Restrooms	18	2	215
Library Space	0	1	205
File / Mail / Copy Room	0	1	150
Lobby	18	1	120
Secured Storage	0	1	80
Break Room	9	1	50
Recycle Bins	0	1	40
Staff Showers	0	1	35
Staff Lockers	0	1	7
Core: Net Assignable			3,479
Tare at 30%			1,491
Gross Square Feet			4,970
Administration Facility Additional Functions			
Evidence Room	0	1	50
Drafting/Flat Files	0	2	49
Armory	0	1	24
Additional Functions: Net Assignable			123
Tare at 30%			53
Gross Square Feet			176
Subtotal: Building Area			
Buildings: Net Assignable			3,602
Gross Square Feet (rounded to 100)			5,100
Exterior Requirements			
Building			5,100
Parking	0	26	8,580
Patio	18	1	270
Site: Net Assignable			13,950
Tare + Site Constraints			19,530
Site GSF (rounded to 100)			33,500
Site Acres			0.80
Site Access			
Site Access (Miles), new, paved			0
Utilities			
Utility Extensions (Linear Feet)			500
Physical and Environmental Constraints			
Environmental			1.12
Soils			1.25
Slope			1.00
Archaeology			1.00

Definitions:

GSF- Gross Square Feet
NASF- Net Assignable Square Feet

NSF - Net Square Feet

NSF - Net Square Feet

NTE - Not to exceed

Tare (for buildings)- Corridors, walls, mechanical, electrical, vertical shafts, vertical circulation, janitor closets, etc.

Additional Responses:*Staff Location Issues*

Reviewed location at historic site buildings and maintenance facility at historic site, and GSA leased building in Cottonwood Falls, KS

Unusual Functions Noted by Facility Calculator

Exceeds area for Office spaces.

Justification of Unusual Functions

Evidence room for securing evidence seized by law enforcement rangers. Storage of government firearms and ammunition. Receiving and temporary storage of museum collection items. Documents and archival records. Care and treatment of park visitors and employees needing first aid.

Environmental Costs

Cultural Landscape Issues Cost	\$125,000
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NPS Facility Planning Model Report

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Identification:

Project Title: TAPR Maint-March 2006
 Model: Maintenance Facility
 Type of Project: New Construction
 PMIS Number:
 Region: MWR
 Park Name: Tallgrass Prairie NP/Pres
 Your Name: Robert H. King
 Job Title: Facility Manager
 Park Suggested GSF:
 Concurred by (Region):
 Recommended by (WASO, CPM):
 Approved by (DAB):
 Created Date: 3/22/2006 1:59:30 PM
 Modified Date: 4/13/2006 2:39:25 PM
 Calculator Mode: Custom Calculator

Comments on this report:

This location is also planned for the motorpool parking of employees personal vehicles that will be driving government vehicles to the Visitor Center and Admin. buildings. This will reduce the amount of parking required in the area of the historic site and the visual intrusion of parked vehicles. Anticipate that 3-5 government vehicles would be driven from maintenance to the Visitor Center on a daily basis.

All Modifications Subject To Approval

Drivers:

Total Staff	16
Total Vehicles Maintained	15
Total Vehicles Stored	28

Benchmark Calculation:

Benchmark Gross SF Per Employee	680-800
Actual SF Per Employee	1131

NPS Park Specific Calculations:

	NASF	GSF	NASF % Total
Centralized Warehouse	3,000	4,000	22.2%
Other Functions (Storage)	2,050	2,733	15.2%
General Storage	1,600	2,133	11.9%
Maintenance of Park Grounds (Work Areas)	1,400	1,867	10.4%
Vehicle Maintenance (Repair)	1,350	1,800	10.0%
Maintenance of Park Buildings (Carpentry)	1,300	1,733	9.6%
Maintenance of Park Buildings (Other Work Areas)	890	1,187	6.6%
Maintenance of Trails (Work Areas)	600	800	4.4%
Employee Support (Showers/Lockers)	474	677	3.5%
Maintenance of Roads and Bridges (Salt and Sand Storage)	300	400	2.2%
Hazardous Storage	250	333	1.9%
Maintenance Administration (Office)	240	343	1.8%
Indoor Parking/Vehicle Storage	90	120	0.7%
Building Net	13,500		
Building Tare (nearest 100)	4,600		
Building (GSF, nearest 100)	18,100		
Site (Acres)	2.8		
Site Access / Utility Extensions (Cost)	\$100000		

Unique Construction Factors (Cost)	\$100000
Total Net Construction Cost (Not Calculated)	\$5000

Estimated Square Footage Report:

Room Description	# Persons	# Spaces or Units	Park Modified Spaces with Standard Drivers
Maintenance Administration (Office)			
Lobby/Waiting	0	1	120
Workroom/Storage	0	1	120
Office	0	1	0
NET ASSIGNABLE			240
Tare at 30%			103
Gross Square Feet			343
Employee Support (Lockers/Showers)			
Multipurpose/Break Room	16	12	300
Locker Room	16	1	144
Showers	16	1	30
NET ASSIGNABLE			474
Tare at 30%			203
Gross Square Feet			677
Maintenance of Park Buildings (Carpentry)			
Carpentry	1	1	1,000
Lumber Storage	0	1	200
Tool and Equipment Storage	0	1	100
NET ASSIGNABLE			1,300
Tare at 25%			433
Gross Square Feet			1,733
Maintenance of Park Buildings (Other)			
Combined Mech/Elect/Plumb Shop	2	1	400
Plumbing Storage	0	1	200
Masonry	1	1	150
Custodial	1	1	140
NET ASSIGNABLE			890
Tare at 25%			297
Gross Square Feet			1,187
Hazardous Storage			
Fertilizer/Herbicides Storage	0	1	150
Pesticide Storage	0	1	100
NET ASSIGNABLE			250
Tare at 25%			83
Gross Square Feet			333
Maintenance of Park Grounds (Work Area)			
Crew Room	6	1	450
Greenhouse	10	1	400
Seed/Bulb Storage	0	1	300
Tool and Equipment Storage	6	1	150
Ground Cover Storage	0	1	100
NET ASSIGNABLE			1,400
Tare at 25%			467
Gross Square Feet			1,867
Vehicle Maintenance (Repair)			
Large Vehicle Maintenance	0	2	1,050
Small Engine/Equipment Repair	1	1	300
NET ASSIGNABLE			1,350
Tare at 25%			450
Gross Square Feet			1,800
Indoor Parking/Vehicle Storage			

Indoor Parking/Vehicle Storage			
Riding Mowers and Snowmobiles	0	3	90
NET ASSIGNABLE			90
Tare at 25%			30
Gross Square Feet			120
Maintenance of Roads and Bridges (Salt and Sand Storage)			
Crew Room	2	1	200
Tool/Equipment Storage	2	1	100
NET ASSIGNABLE			300
Tare at 25%			100
Gross Square Feet			400
Maintenance of Trails (Work Areas)			
Small equipment repair	0	1	300
Crew Room	2	1	200
Tool/Equipment Storage	2	1	100
NET ASSIGNABLE			600
Tare at 25%			200
Gross Square Feet			800
Other Functions (Storage)			
Fire or Emergency Vehicles Storage	0	1	1,200
Radio Communications Room	0	1	450
Fire Cache	0	1	400
NET ASSIGNABLE			2,050
Tare at 25%			683
Gross Square Feet			2,733
General Storage			
General Storage	0	1	1,600
NET ASSIGNABLE			1,600
Tare at 25%			533
Gross Square Feet			2,133
Centralized Warehouse			
Centralized Warehouse	0	1	3,000
NET ASSIGNABLE			3,000
Tare at 25%			1,000
Gross Square Feet			4,000
Site			
Building (nearest 100)			
Site Access			18,100
Site Access (Miles), new, paved			0.1
Utilities			
Utility Extensions (Linear Feet)			4,100
On-Site Utilities			
Power	0	1	1,000
Physical and Environmental Constraints			
Environmental			1.00
Soils			1.00
Slope			1.00
Archaeology			1.00
Parking			
Employee Vehicles	0	19	4,800
Large Vehicles	0	2	1,800
Small Vehicles	0	5	1,500
Covered Parking			
Small Vehicles	0	4	1,000
Large Vehicles	0	1	600
Riding Mowers and Snowmobiles	0	3	90

Riding mowers and snowmobiles	0	3	90
Excess Property Storage	0	1	15,000
Vehicle Fueling	0	1	5,000
Site Storage	0	1	4,000
Roads Materials Storage Bins	0	4	4,000
Covered Storage	0	16	1,200
Exterior Vehicle Wash	0	1	900
Recycle Bins	0	5	500
Site: Net Assignable (nearest 100)			60,100
Tare + Site Constraints			60,100
Site GSF (nearest 100)			120,200
Site Acres			2.8

Definitions:

GSF- Gross Square Feet
 NASF- Net Assignable Square Feet
 NSF- Net Square Feet
 NTE- Not to exceed
 Tare (for buildings)- Corridors, walls, mechanical, electrical, vertical shafts, vertical circulation, janitor closets, etc.

Additional Responses:

Current Maintenance Facilities
 Ice House (HS 125) 289 nsf

Unusual Functions Noted by Facility Calculator

Centralized Warehouse
 Communications room
 Fire or emergency vehicles stored indoors
 Fire Cache
 Hazardous Materials Storage
 Indoor Vehicle Storage

Justification of Unusual Functions

Centralized Warehouse located at Maint. to minimize the facility footprint at Visitor Center site, used for receiving and storage of supplies and materials needed for all divisions of the park. Will consist of three bays each being 20' x 20' x 10' in size for a total of 12,000 cubic feet. Communication room will contain the telephone and computer network equipment. Indoor storage for wildland fire vehicles due to winter weather conditions and theft or damage of equipment on the vehicles. Fire cache needed for wildland and prescribed fire equipment storage and workspace. Hazardous material storage for pesticide/herbicides, solvents, thinners, and other hazardous materials that may be generated by maintenance operations. Indoor vehicle storage used for large and small maintenance response vehicles (snow-plow and sander, utilities maintenance vehicle), small tractors used for snow and ice removal from sidewalks, porches, and trails, golf carts used for employee transportation, and vehicles containing supplies and materials.

Unique Construction Factors
 Oil/water separator, 20 gpm, \$5,000

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NPS Facility Planning Model Report

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Identification:

Project Title: TAPR-Curatorial-2006
 Model: Museum Collection Facility
 Type of Project: New Construction
 PMIS Number:
 Region: MWR
 Park Name: Tallgrass Prairie NPRes
 Your Name: Robert H. King
 Job Title: Facility Manager
 Park Suggested GSF:
 Concurred by (Region):
 Recommended by (WASO, CPM):
 Approved by (DAB):
 Created Date: 3/24/2006 12:43:36 PM
 Modified Date: 4/13/2006 2:39:45 PM
 Calculator Mode: Custom Calculator

Comments on this report:

This facility will be contained in the Visitor Center building.

All Modifications Subject To Approval**Drivers:**

Permanent Staff 0
 Others 2
 Object Storage 3,977

NPS Park Specific Calculations:**Museum Collection Model Calculations**

Core Museum Collection (NSF) 1,673
 Additional Functions (NSF) 0
 Tare at 20% (nearest 100) 400
 Building (GSF, nearest 100) 2,100
 Site (Acres) 0.20
 Total Net Construction Cost (Not Calculated)

Estimated Square Footage Report:

Room Description	# Persons	# Spaces or Units	Park Modified Spaces with Standard Drivers
Core Museum Collection Functions			
Staff Areas			
Museum File Storage	0	1	100
Staff Restrooms	2	2	75
Recycle Bins	0	1	40
Staff: Net Assignable			215
Public Areas			
Researcher Workspaces	2	2	160
Lobby/Exhibits	0	1	120
Public Lockers	0	1	50
Public: Net Assignable			330
Processing Areas			

Processing Areas			
Receiving/Temporary Holding	0	1	80
Material Storage	0	1	50
Processing: Net Assignable			130
Objects Storage Area			
Storage Units, Pallets and Floor Area Storage			937
Archive Storage Area			
Paper, Maps, Media and Fireproof Cabinets			61
Core: Net Assignable			1,673
Tare at 20%			418
Gross Square Feet			2,091
Subtotal: Building Area			
Buildings: Net Assignable (nearest 100)			1,700
Gross Square Feet (nearest 100)			2,100
Site			
Building			
Parking: Private Vehicles	0	2	2,100
Site: Net Assignable (nearest 100)			660
Tare + Site Constraints			2,800
Site GSF (nearest 100)			3,900
Site Acres			6,700
			0.2
Physical and Environmental Constraints			
Environmental			
Soils			1.12
Slope			1.25
Archaeology			1.00
			1.00

Definitions:

GSF- Gross Square Feet
 NASF- Net Assignable Square Feet
 NSF- Net Square Feet
 NTE- Not to exceed
 Tare (for buildings)- Corridors, walls, mechanical, electrical, vertical shafts, vertical circulation, janitor closets, etc.

Additional Responses:

Evaluator
 Park Staff

Collection Storage Issues

MWAC storage of recovered items and location of alternative storage at a central location within the region.

Unusual Functions Noted by Facility Calculator

Storage needs based on "Estimate by Other"

NPS Facility Planning Model Report

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Identification:

Project Title: TAPR-Visitor Center-2006
 Model: Visitor Facility
 Type of Project: New Construction
 PMIS Number:
 Region: MWR
 Park Name: Tallgrass Prairie NP/Pres
 Your Name: Robert H. King
 Job Title: Facility Manager
 Park Suggested GSF:
 Concurred by (Region):
 Recommended by (WASO, CPM):
 Approved by (DAB):
 Created Date: 3/24/2006 2:55:53 PM
 Modified Date: 4/13/2006 2:40:08 PM
 Calculator Mode: Custom Calculator

Comments on this report:

The visitor facility used with prairie bus tour operations.
 Theater seating to accommodate park visitor and one commercial/school bus.
 Museum collection stored and used by interpretive staff.
 Additional \$ for facility design to fit with the historic scene.

All Modifications Subject To Approval

Drivers:

Visitation and Staff

Standard Database Drivers

Park-Modified Drivers

Annual Visitation	15,281	15,281
Projected Annual Visitation	11,239	125,000
Average Peak Months	15.1%	15.1%
Capture Rate	100.0%	100.0%
Time Spent	0.50 hr	0.50 hr
Average Peak Visitors in VC at one time	8	94
Total Staff (NPS and Others)	11	11
Total Volunteers and Cooperating Associates	6	6

Benchmark Calculations:

A - Core VC with Standard Drivers

B - Core VC with Park Modified Drivers

Public Spaces (NSF, nearest 100)	1,600	2,800
VF Staff Area (NSF, nearest 100)	1,000	1,900
Tare at 25% (nearest 100)	900	1,600
Building (GSF, nearest 100)	3,500	6,300
Recommended:		
Area Per Person in Public Spaces (NTE)	50-55	30-35
Percentage of VF Staff Areas (NTE)	SF or 29%	SF or 30%
Percentage of Total Staff Areas (NTE)	SF or 29%	SF or 30%

NPS Park Specific Calculations:

C - Park Modified VC Spaces with Standard Drivers

D - Park Modified VC Spaces with Park Modified Drivers

Public Spaces (NSF, nearest 100)	7,600	8,100
VF Staff Area (NSF, nearest 100)	2,700	2,800
Administration (NSF, nearest 100)	0	0
Tare at 25% (nearest 100)	3,500	3,600
Building (GSF, nearest 100)	13,800	14,500
Site (Acres)	1.70	3.60

Site (Acres)	1.70	3.60
Exterior Requirements	0.40	1.20
Site Access / Utility Extensions (Cost)	\$814,000	\$814,000
Total Net Construction Cost (Not Calculated)	-	-
Actual:		
Area Per Person in Public Spaces	950	86
Percentage of VF Staff Areas	20%	19%
Percentage of Total Staff Areas	20%	19%
Recommended:		
Area Per Person in Public Spaces (NTE)	50-55	30-35
Percentage of VF Staff Areas (NTE)	SF or 30%	SF or 30%
Percentage of Total Staff Areas (NTE)	SF or 30%	SF or 30%

Estimated Square Footage Report:

Room Description	C - Park Modified Spaces with Standard Drivers	D - Park Modified Spaces with Park Modified Drivers	# Persons	# Spaces or Units
Core Visitor Facility				
Public Area: Lobby Spaces				
Hearing Device Distribution	50	50	-	1
Interpretive Materials Storage	100	100	-	1
Lobby/Orientation	450	480	32	1
Information Desk	120	120	-	1
Vestibules	140	140	5	1
Public Area: Exhibit Spaces				
Exhibit / Traveling Exhibit Area	900	900	-	1
Additional Exhibit Area	3,333	3,333	-	1
Public Area: Theater Spaces				
Audio/Visual Storage	68	68	-	1
Projection Booth	80	80	-	1
Theater 1	680	680	50	1
Public Area: Cooperating Assoc. & Concessionaire				
Interpretive Sales Storage	37	137	-	1
Interpretive Sales	150	547	-	1
Staff Area: Office Area				
Staff Restrooms	170	170	2	-
Offices	293	293	3	1
General Storage	120	120	11	1
Recycle bins	40	40	-	4
Staff Lockers	42	42	6	6
Interpretive Work Area	640	640	8	1
Library	235	235	-	1
Staff Break Room	175	175	7	1
Restrooms				
Family Restrooms	85	85	-	1
Male/Female Restrooms	350	350	-	2
Core VF: Net Assignable	8,258	8,785	-	-
Tare at 25%	2,753	2,928	-	-
Gross Square Feet	11,011	11,713	-	-
Park Specific Functions				
Public Area: Interpretation and Education Spaces				
Children's Discovery Area	90	90	-	1
Demonstration Area	90	90	-	1
Multipurpose Room	1,200	1,200	-	1
Chair and Table Storage	75	75	-	1
Costumes Storage	160	160	-	1
Fees and Tickets Desk	75	75	1	1

Fees Queuing Area	160	160	19	1
Other Staff and Support Spaces				
Lost and Found Storage	40	40	-	1
Fee Counting Room	80	80	-	1
First Aid Station	100	100	-	1
Park Specific Functions: Net Assignable	2,070	2,070	-	-
Tare at 25%	690	690	-	-
Gross Square Feet	2,760	2,760	-	-
Subtotal Building				
Net Assignable (nearest 100)	10,300	10,900	-	-
Gross Square Feet (nearest 100)	13,800	14,500	-	-
Site				
Building (nearest 100)	13,800	14,500	-	-
Parking: Staff Vehicles	3,630	3,630	-	11
Exhibit Kiosks	800	800	-	4
Interpretive Trail	3,600	3,600	-	600
Wayside Exhibits	150	150	-	6
Interpretive Trail Improvements	3,000	3,000	-	500
Wayside Exhibit Improvements	125	125	-	5
Amphitheater	1,200	1,200	60	1
Bus Parking	1,530	1,530	-	1
Parking: Recreational Vehicles	1,440	5,040	-	7
Parking: Private Vehicles	0	27,060	-	82
Bus Platform	91	454	-	1
Porch, Patio or Overlook	60	570	19	1
Plaza	1,740	4,320	144	1
Site: Net Assignable (nearest 100)	31,200	66,000	-	-
Tare + Site Constraints (nearest 100)	43,700	92,400	-	-
Site GSF (nearest 100)	74,900	158,400	-	-
Site Acres	1.70	3.60	-	-
Site Access				
Site Access (Miles), new, paved	0.05	-	-	-
Utilities				
Utility Extensions (Linear Feet)	27,400	-	-	-
Physical and Environmental Constraints				
Environmental	1.12	-	-	-
Soils	1.25	-	-	-
Slope	1.00	-	-	-
Archaeology	1.00	-	-	-

Definitions:

GSF- Gross Square Feet

NASF- Net Assignable Square Feet

NSF- Net Square Feet

NTE- Not to exceed

Tare (for buildings)- Corridors, walls, mechanical, electrical, vertical shafts, vertical circulation, janitor closets, etc.

Additional Responses:**Park Visitation**

Requested change for total annual park visitation is from projected visitation information from a transportation and visitation study (1999) done in regards to the GMP.

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visitation study (1999) done in regards to the GMP.

Preserve (est. Nov. 1996) is in the initial stages of development. Changes are based on Desired Futures of approved GMP. Park is of medium size (10,894 acres). GMP anticipated annual operating costs of 2.1 million (FY2000 dollars) and 32 work years based on workload of preferred alternative. Facility will be sited near the historic ranch headquarters.

Visitor Peaks

Park visitors using the visitor center facilities.

Exhibits Over 100nsf and Less Than 200nsf

Exhibit of preserved animals once found in a natural tallgrass prairie ecosystem (100nsf).

Historic rock cart (200nsf).

Farm equipment (2 @ 200nsf each).

Other Options Explored In Lieu of Theater

Park indicates that no options were explored for the theater function.

Artifacts, Replicas or Exhibits Over 200nsf

Wheat Binder	250 nsf
Buggy	250 nsf
Animal exhibit	400 nsf
Animal exhibit	200 nsf
Rock cart	200 nsf
Cultivator	200 nsf
Horse drawn plow	200 nsf
Map and model of preserve	200 nsf
Root system of prairie tallgrasses	200 nsf
Large format wall photographs	200 nsf
Diagrams with Animals	200 nsf

Other Staff in Visitor Facility

The preserve is a partnership park. The majority of the land, at least 98%, is owned by The Nature Conservancy and assisted by a partner with the Kansas Park Trust. Presently the KPT sales and management are located in the historic ranch house.

These areas will be turned into interpretive areas when the KPT staff is relocated.

Volunteers are greatly used at the visitor center, ranch headquarters, and schoolhouse sites.

Unusual Functions Noted by Facility Calculator

Exterior Viewing Area: additional space generated.

Modified Visitation.

Amphitheater: additional space generated.

Wayside Exhibit Improvements.

Interpretive Trail Improvements.

Wayside Exhibits: additional space generated.

Interpretive Trail: additional space generated.

Exhibit Kiosks: additional space generated.

Costume Storage: additional space generated.

Multipurpose Room Storage: additional space generated.

Multipurpose Room: additional space generated.

First Aid Station: additional space generated.

Fee Counting Room: additional space generated.

Lost and Found Area: additional space generated.

Change in Theater Size.

Oversized Exhibits

Demonstration Area: additional space generated.

Children's Discovery Area: additional space generated.

Exceeds area for Public spaces.

Exceeds area for Visitor Facility Staff.

Exceeds area for Total Staff.

Justification of Unusual Functions

Exterior viewing area used for location of exterior exhibit kiosks/panels and to provide view of prairies and ranch headquarters.

Modified Visitation from transportation and projected visitation study related to GMP.

Amphitheater used for campfire programs and interpretative demonstrations.

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Programmer costs for sample programs and interpretive materials.
Costume storage needed for living history costumes. Living history presentations are done weekly.
Interpretive trails will start here and connect to existing backcountry and nature walk trails.
Wayside exhibits will be needed for new trails and views of the prairie and historic site.
The multipurpose room will be used as an education room for school groups to experience many education/discovery programs. This room will have tables, chairs, chalk/marker boards.
First aid station is needed for park visitors and staff. There is only volunteer EMS in the area.
Tour bus fees will be collected and counted at this facility.
Lost and Found items will be collected and stored here.
The theater needs to be large enough to handle a commercial or school bus group and other park visitors.
Exhibits will provide information to the park visitor that may not go to the historic ranch headquarters.

Environmental Costs

Cultural Landscape issues Cost \$125,000

*Additional Costs**Planned exhibit types:*

Map/model of preserve.

Diagrams with animals

Large format wall photographs

Exhibit showing root system of prairie tallgrasses.

Interpretive film length

20 minutes

Interpretive film costs

\$150,000

NPS Facility Planning Model Report

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Identification:

Project Title: TAPR-Curatorial-Addition-2006
 Model: Museum Collection Facility
 Type of Project: Addition
 PMIS Number:
 Region:
 Park Name: Tallgrass Prairie NPres
 Your Name:
 Job Title:
 Park Suggested GSF:
 Concurred by (Region):
 Recommended by (WASO, CPM):
 Approved by (DAB):
 Created Date: 4/4/2006 12:04:27 PM
 Modified Date: 4/13/2006 2:39:58 PM
 Calculator Mode: Custom Calculator

Comments on this report:

This museum collection will be a part of the Visitor Center facility.

All Modifications Subject To Approval

Drivers:

Permanent Staff	0
Others	2
Object Storage	53,309

NPS Park Specific Calculations:

Museum Collection Model Calculations

Core Museum Collection (NSF)	1,333
Additional Functions (NSF)	0
Tare at 25% (nearest 100)	500
Building (GSF, nearest 100)	1,800
Site (Acres)	0.10
Total Net Construction Cost (Not Calculated)	-

Estimated Square Footage Report:

Room Description	# Persons	# Spaces or Units	Park Modified Spaces with Standard Drivers
Core Museum Collection Functions			
Staff Areas			
Museum File Storage	0	1	100
Staff Restrooms	2	2	75
Recycle Bins	0	1	40
Staff: Net Assignable			215
Public Areas			
Researcher Workspaces	2	2	160
Lobby/Exhibits	0	1	120
Public Lockers	0	1	50
Public: Net Assignable			330
Processing Areas			

Processing Areas		
Receiving/Temporary Holding	0	1 80
Material Storage	0	1 50
Processing: Net Assignable		
Objects Storage Area		130
Storage Units, Pallets and Floor Area Storage		597
Archive Storage Area		
Paper, Maps, Media and Fireproof Cabinets		61
Core: Net Assignable		1,333
Tare at 25%		444
Gross Square Feet		1,777
Subtotal: Building Area		
Buildings: Net Assignable (nearest 100)		1,300
Gross Square Feet (nearest 100)		1,800
Site		
Building		
Parking: Private Vehicles	0	2 1,800
Site: Net Assignable (nearest 100)		660
Tare + Site Constraints		2,500
Site GSF (nearest 100)		3,500
Site Acres		6,000
		0.1
Physical and Environmental Constraints		
Environmental		1.12
Soils		1.25
Slope		1.00
Archaeology		1.00

Definitions:

GSF- Gross Square Feet
 NASF- Net Assignable Square Feet
 NSF- Net Square Feet
 NTE- Not to exceed
 Tare (for buildings)- Corridors, walls, mechanical, electrical, vertical shafts, vertical circulation, janitor closets, etc.

Additional Responses:

Evaluator
 Park Staff

Collection Storage Issues

MWAC storage of recovered items and location of alternative storage at a central location within the region

Unusual Functions Noted by Facility Calculator

Storage needs based on "Estimate by Other"